

IN THE CLAIMS

The pending claims, including amended claims, are as follows:

1. (Currently amended) Air-conditioning system for rooms comprising a cooling module (2) associated to a heating system (8), a plurality of fan-convectors (F1, . . . , Fn) acting as both heating and cooling terminals, a single hydraulic circuit (5, 7) leading a fluid to said plurality of fan-convectors (F1, . . . , Fn), said cooling module (2) being equipped with a first inlet tube (B) and a first outlet tube (A), said heating system (8) being equipped with a second inlet tube (D) and a second outlet tube (F), said single hydraulic circuit (5, 7) comprising an intake tube (5) and a return tube (7), said air-conditioning system further comprising a storage reservoir (4) and a circulation pump (P1), said storage reservoir (4) being connected between said return tube (7) of said single hydraulic circuit (5, 7) and said circulation pump (P1), said circulation pump (P1) being connected to said first inlet tube (B), wherein said ~~cooling module (2)~~ air-conditioning system comprises a three-way switching valve (V1) whose central outlet is connected to said intake tube (5) of said single hydraulic circuit (5, 7), an inlet is connected to said second outlet tube (F) of said heating system (8), and an inlet is connected to said first outlet tube (A) of said cooling module (2), said return tube (7) of said hydraulic circuit (5, 7) being connected to said second inlet tube (D) and to said first inlet tube (B), via said storage reservoir (4) and said circulation pump (P1) so that said three-way switching valve (V1) connects said plurality of fan-convectors (F1, . . . , Fn) both during cooling and during heating operating mode.

2. (Previously presented) Air-conditioning system for rooms according to claim 1, wherein said system further comprises a control unit (3) controlling said three-way switching valve (V1), said cooling module (2) and said fan-convectors (F1, . . . , Fn).

3. (Previously presented) Air-conditioning system for rooms according to claim 1, wherein said cooling module (2) comprises a compressor (10), a condenser (14), a lamination element (12) and an evaporator (13), each being connected to the other by means of connection tubes (E).

4. (Original) Air-conditioning system for rooms according to claim 3, wherein said control unit (3) controls the working of said compressor (10), of said plurality of fan-

convectors (F1, . . . , Fn), of said three-way switching valve (V1), of said circulation pump (P1) and of said heating system (8).

5. (Previously presented) Air-conditioning system for rooms according to claim 1, wherein said heating system (8) is selected from the group consisting of an independent boiler, a centralized installation, and a district heating system.